

L21 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1983:35074 CAPLUS
DOCUMENT NUMBER: 98:35074
ORIGINAL REFERENCE NO.: 98:5499a,5502a
TITLE: Synthesis of poly(vinyl nicotinate)
AUTHOR(S): Korshak, V. V.; Shtil'man, M. I.; Yaroshenko, I. V.
CORPORATE SOURCE: Mosk. Khim.-Tekhnol. Inst., Moscow, USSR
SOURCE: Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i
Khimicheskaya Tekhnologiya (1982), 25(8), 984-7
CODEN: IVUKAR; ISSN: 0579-2991

DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Poly(vinyl alc.) (I) was esterified to different degrees with
nicotinoyl chloride hydrochloride (II) in AcNMe₂ to
obtain the title polymer (III) [84070-03-1] as a corn growth stimulator.
The degree of esterification went through a maximum as the reaction
temperature and
reagent concentration reached .apprx.95° and .apprx.0.45 M, resp., at I/II
mol ratio 1:1. The solubility, swelling, softening point, and crystallinity of
III were characterized as functions of the degree (38-51%) of acylation.

L21 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1971:45624 CAPLUS
DOCUMENT NUMBER: 74:45624
ORIGINAL REFERENCE NO.: 74:7325a,7328a
TITLE: Poly(vinyl alcohol) nicotinate used in treating
peripheral vascular disorders
PATENT ASSIGNEE(S): Roussel-UCLAF
SOURCE: Fr. M., 3 pp.
CODEN: FMXXAJ

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 7037		19690728	FR	19670628

AB The title compound (Rhodoviol 60/20 M) (I) was prepared by treating
nicotinoyl chloride-HCl with poly(vinyl alc.) in the
presence of C₅H₅N. I can be used pharmaceutically in different forms and
has a higher peripheral vasodilating activity than nicotinic acid.

L21 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1969:78737 CAPLUS
DOCUMENT NUMBER: 70:78737
ORIGINAL REFERENCE NO.: 70:14721a,14724a
TITLE: High-molecular-weight polymeric inhibitors for serum
complement fixation
INVENTOR(S): Lauenstein, Karl; Pieper, Gustav; Resz, Raoul; Bayer,
Otto
PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
SOURCE: S. African, 14 pp.
CODEN: SFXXAB

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 6802514		19680918	ZA	19680419

AB Polymeric esters from poly(vinyl alc.) and nicotinic acid or isonicotinic acid are oxidized with hydrogen superoxide (I) yielding compns. useful as inhibitors for serum complement fixation. Thus, 170 g. of a poly(vinyl nicotinate) prepared from poly(vinyl alc.) by esterification with nicotinoyl chloride in pyridine was dissolved in 1 l. HOAc and oxidized at 60° for 20 hrs. with 250 cc. 30% I. The solution was subsequently dialyzed 72 hrs. under running tap water to remove HOAc and I, and the poly-N-oxide precipitated with acetone after the addition of 20 cc. concentrated HCl. The initially tacky precipitate was comminuted with fresh acetone and, after drying, was a colorless powder which was readily soluble in water (172 g. yield). By adding to the powder the amount of NaHCO₃ required for neutralizing the HCl, the pH value in the aqueous solution was adjusted to 7. Since the preparation as a whole was not satisfactory in the immune-biol. test, the aqueous solution acidified with HCl was precipitated by the portion-wise addition of acetone. The values of the fractions indicated that the effect was rapidly reduced below a mol. weight of .apprx.30,000. The fractionation was simplified by adding the total amount of acetone required for the precipitation of the 90,000 to 74,000 mol. weight fractions in 1 portion and isolating the materials thus precipitated

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RN 20260-53-1
RN 9002-89-5
RN 84070-03-1P

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DOCUMENT NUMBER: 74:45624
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PATENT ASSIGNEE(S): Roussel-UCLAF

SOURCE: Fr. M., 3 pp.
 CODEN: FMXXAJ
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
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RN	59-67-6D				
RN	557-75-5D				

L21 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

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 TITLE: High-molecular-weight polymeric inhibitors for serum complement fixation
 INVENTOR(S): Lauenstein, Karl; Pieper, Gustav; Resz, Raoul; Bayer, Otto
 PATENT ASSIGNEE(S): Farbenfabriken Bayer A.-G.
 SOURCE: S. African, 14 pp.
 CODEN: SFXXAB
 DOCUMENT TYPE: Patent
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 FAMILY ACC. NUM. COUNT: 1
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